

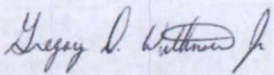
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DATA MATRIX

Date: September 26, 2017	EPA Reg No./File Symbol	71711-16
Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808	Product	Buprofezin Technical
Ingredient: BUPROFEZIN		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 830— Product Properties Test Guidelines					
830.1550	Submission of Product Chemistry Data in Support of EUP	42873800	AGREVO USA CO	OWN	45639-EUP-51
830.1550, 830.1600	Buprofezin Technical Product Chemistry: Product Identity and Composition Materials and Manufacturing Process. NNI-BUPROF-EUP-1 - A-57779 / B000004	42873802	AGREVO USA CO	OWN	
830.1550	Certificate of Analysis, Determination of the Content of Active Ingredients in the Formulation of Applaud 25WP (PC-1085)	49915801	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
830.1550	Composition of Applaud 40SC Formulation (PC-1103)	49915802	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
830.1550	Composition of Applaud 25WP (PC-1127)	49915803	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
830.1600, 830.1670	Buprofezin technical product chemistry: Product identity and composition materials and manufacturing process: Additional information to upgrade MRID # 42873802 (NNI-BUPROF-EUP-1/ A57779)	44394002	AGREVO USA CO	OWN	
830.1700	Content Analysis of Buprofezin Technical Product	48651001	NICHINO AMERICA, INC.	OWN	
830.1700; 830.1750	Product chemistry: Analysis and certification of product ingredients: Buprofezin technical. NNI-BUPROF-EUP-3.	42873803	AGREVO USA CO	OWN	
830.6302; 830.6303; 830.6304; 830.6313; 830.6314; 830.6315; 830.6316 830.6317; 830.6319; 830.6320; 830.6321; 830.7000; 830.7100; 830.7200; 830.7220; 830.7300; 830.7370; 830.7550; 830.7840; 830.7950	Buprofezin technical 2-tert-butylimino-3-isopropyl-5-phenyl-perhydro-1,3,5-thidiazin-4-one as active ingredient-Physical & chemical characteristics. NNI-BUPROF-EUP-3	42873804	AGREVO USA CO	OWN	
830.6313	Product chemistry of buprofezin-Stability. 375731: 14191: A57764.	44463101	AGREVO USA CO	OWN	PP 7F4923
830.6314	The determination of the oxidizing/reducing action of buprofezin technical. BF97P002.	44394003	AGREVO USA CO	OWN	
830.6317	The Determination of the Storage Stability of Buprofezin Tech. BF97P003	45697602	NICHINO AMERICA, INC.	OWN	

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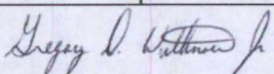
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Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	The Determination of the Corrosion Characteristics of Buprofezin Technical BF-97P-01	44576904	AGREVO USA CO	OWN	
830.7050	UV/VIS Absorption of Buprofezin. 1212W, 1212W/1	46018701	NICHINO AMERICA, INC.	OWN	71711-16
830.7050	Buprofezin Technical UV Absorption BUP-PC-01	45697601	NICHINO AMERICA, INC.	OWN	
830.7840	Solubility of 14C buprofezin in water. 1194W/1, 1194W, P1194W	46014502	NICHINO AMERICA, INC.	OWN	71711-15
830.7950	Measurement of Vapor Pressure for Buprofezin (Gas Saturation Method) (PC-1143); 83852	49749501	NICHINO AMERICA, INC.	OWN	
830.7950	Amended Report: Buprofezin technical 2-tert-butylimino-3-isopropyl-5-phenyl-perhydro-1,3,5-thiadiazin-4-one as active ingredient	45151702	BAYER ENVIRONMENTAL SCIENCE	OWN	
830 SUPP	Qualitative and Quantitative Profile of the Test Substance Buprofezin Technical (Five Batch Analysis) (PC-1183)	50391601	NICHINO AMERICA, INC.	OWN	
830 SUPP	Determination of Toluene Content in Buprofezin Technical (PC-1192)	50391602	NICHINO AMERICA, INC.	OWN	
Series 835 - Fate, Transport and Transformation Test Guidelines					
835.1230	[14C]-buprofezin soil adsorption/desorption. Lab Project Number: IRI 382335: 382335: 9172; B000166	42990601	AGREVO USA CO	OWN	
835.1240	(14C)-buprofezin: aged soil leaching. Lab Project Number: 5642-608/1: W-23: 608/1. Study ID E-1007	42873839	AGREVO USA CO	OWN	
835.1240	Aged soil leaching of [14C]-buprofezin. Lab Project Number: 382183: 9150: W-29. Study ID E-1012	42873840	AGREVO USA CO	OWN	
835.2120	MRD-92-263 (buprofezin): hydrolysis. Project Number: 126 390: W-31. Study ID E-1013	42873836	AGREVO USA CO	OWN	45639-EUP-51
835.2130	The aqueous hydrolysis of [U-14C]-buprofezin at pH 5, pH 7 and pH 9. Lab project number 517BF: BUPROFEZIN/W33: HWI 6187-152. Study ID E-1015	44394041	AGREVO USA CO	OWN	
835.2240	Photodegradation of buprofezin: A summary of Photolysis under natural sunlight and artificial light. Lab Project Number: 516BF: A57766: BUPROFEZIN/W49. Study ID E-1019	44463102	AGREVO USA CO	OWN	
835.2240	Photolysis and quantum yield of 14C buprofezin in buffered aqueous solution. Project Number: 1145W. Study ID E-1030	46014501	NICHINO AMERICA, INC.	OWN	

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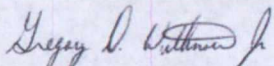
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Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.2410	Buprofezin - Soil photolysis of the 14C-labelled test substance. Lab Project Number: CB94/074: A58779: W47. Study ID E-1018	44435902	AGREVO USA CO	OWN	
835.4100	The degradation of 14C-phenyl Buprofezin under aerobic conditions in 2 U.S. soils: Sandy loam and sandy clay loam. Lab Project Number: 505BF: BUPROFEZIN/W44: A55845. Study ID E-1017	44394042	AGREVO USA CO	OWN	
835.4100, 835.4200	Degradation of buprofezin in soils; Lab. W-16. Study ID E-1005	42873837	AGREVO USA CO	OWN	
835.4200	Degradation of buprofezin in flooded and upland soils under laboratory conditions. Study ID E-1009.	42873838	AGREVO USA CO	OWN	
835.4300	Aerobic Aquatic Metabolism of [¹⁴ C] Buprofezin in Two Sediment Water Systems (E-1041). 2485W. 2485W-1	49734401	NICHINO AMERICA, INC.	OWN	
835.4400	The degradation of (U-14C-phenyl)-buprofezin under laboratory anaerobic aquatic conditions. Lab Project Number: 507BF: A57689: BUPROFEZIN/W50. Study ID E-1020	44394043	AGREVO USA CO	OWN	
835 SUPP	Degradation behavior of a buprofezin metabolite, BF-4, under Acidic and Basic Conditions (E-1040)	48540803	NICHINO AMERICA, INC.	OWN	
Series 850— Ecological Effects Test Guidelines					
850.1010	The acute toxicity of buprofezin to Daphnia magna in a static system. W-1015	42873833	AGREVO USA CO	OWN	
850.1010	Buprofezin invertebrate acute toxicity data submissions (Rebuttal to EPA review of buprofezin Daphnia acute study). W-26. Lab Project Number: 541BF: 542BF: A57818	44394017	AGREVO USA CO	OWN	
850.1025	Acute flow-through mollusc shell deposition test with buprofezin. W-1022. Lab Project Number: 529BF: W38/A54515: 527-NI	44394019	AGREVO USA CO	OWN	
850.1035	Buprofezin: The 96 hour acute toxicity to grass shrimp (Palaemonetes pugio) in a flow through system. W-1019. Lab Project Number: 530BF: BUPROFEZIN/W36.	44394020	AGREVO USA CO	OWN	
850.1035	Buprofezin: 96-Hour Flow-Through Acute Toxicity Test with the Saltwater Mysid (Americamysis bahia). W-1058	46689304	NICHINO AMERICA, INC.	OWN	
850.1075	The acute toxicity of buprofezin technical to the bluegill sunfish (Lepomis macrochirus) in a static system. W-1014	42873831	AGREVO USA CO	OWN	

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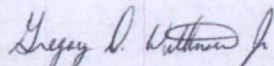
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Ingredient: BUPROFEZIN		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	The 96 hour acute toxicity to bluegill sunfish (<i>Lepomis macrochirus</i>) in a flow through system: buprofezin. W-1029	44394015	AGREVO USA CO	OWN	
850.1075	The acute toxicity of buprofezin technical to the rainbow trout (<i>Oncorhynchus mykiss</i>) in a static system. W-1013	42873832	AGREVO USA CO	OWN	
850.1075	The 96 hour acute toxicity to rainbow trout (<i>Oncorhynchus mykiss</i>) in a flow through system: buprofezin. W-1017	44394016	AGREVO USA CO	OWN	
850.1075	The 96 hour acute toxicity to sheepshead minnow (<i>Cyprinodon variegatus</i>) in a flow through system: buprofezin. W-1018	44394018	AGREVO USA CO	OWN	
850.1300	The chronic toxicity of NNI-750 (buprofezin) to the water flea (<i>Daphnia magna</i>). W-10. W-1003	42873835	AGREVO USA CO	OWN	
850.1300	Buprofezin; technical 99.0 %; Code: AE F064503 00 1D99 0001 - Effects on life-cycle of the water flea (<i>Daphnia magna</i>) in a static renewal system. W-1031	44435901	AGREVO USA CO	OWN	
850.1350	Buprofezin: A Flow-Through Life-Cycle Toxicity Test with the Saltwater Mysid (<i>Americamysis bahia</i>). W-1059. 397A-112	47676702	NICHINO AMERICA, INC.	OWN	
850.1350	Buprofezin - Life-Cycle Toxicity Test with Mysids (<i>Americamysis bahia</i>) (W-1112). Lab project Id: 13657.6165	49738502	NICHINO AMERICA, INC.	OWN	
850.1400	The chronic toxicity of NNI-750 (buprofezin) to the fathead minnow (<i>Pimephales promelas</i>). W-1006. W-11	42873834	AGREVO USA CO	OWN	
850.1400	Buprofezin; 99.0 %; -Effects on early life stages of rainbow trout (US EPA 72-4). Code: AE F064503 00 1D99 0001. W-1032	44394021	AGREVO USA CO	OWN	
850.1500	Buprofezin: A Flow-Through Life-cycle Toxicity Test with the Fathead Minnow. Project Number: 397A/115A. W-1079	48083904	NICHINO AMERICA, INC.	OWN	
850.1500	Buprofezin - Full Life-Cycle Toxicity Test with Sheepshead Minnow (<i>Cyprinodon variegatus</i>) Under Flow-Through Conditions, Following OCSPP Guideline 850.1500 (W-1113). Lab project Id: 13657.6166	49738503	NICHINO AMERICA, INC.	OWN	
850.1730	Bioaccumulation of (14C)-Buprofezin in bluegill sunfish (<i>Lepomis macrochirus</i>). Lab Project Number: 524BF: BUPROFEZIN/W42: O009/U037: W-1026	44394047	AGREVO USA CO	OWN	
850.1735	Sediment-Water chironomid toxicity testing using water spiked with buprofezin. W-1056	46597901	NICHINO AMERICA, INC.	OWN	

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Nichino America, Inc.
 4550 Linden Hill Rd., Suite 501
 Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1740	Buprofezin-10-day toxicity test exposing estuarine amphipods (<i>Leptocheirus plumulosus</i>) to a test substance applied to sediment under static conditions (N-1092). 13657.6173	49711702	NICHINO AMERICA, INC.	OWN	
850.2100	The acute oral toxicity (LD50) of buprofezin to the mallard duck. W-1009. W-9	42873827	AGREVO USA CO	OWN	
850.2100	The acute oral toxicity (LD50) of buprofezin to the bobwhite quail. W-1008. W-13	42873828	AGREVO USA CO	OWN	
850.2200	The subacute dietary toxicity (LC50) of buprofezin to the bobwhite quail. W-1010. W-14	42873830	AGREVO USA CO	OWN	
850.2200	The subacute dietary toxicity (LC50) of buprofezin to the mallard duck. W-1011. W-6	42873829	AGREVO USA CO	OWN	
850.2300	Buprofezin: A reproduction study with the Northern Bobwhite (<i>Colinus virginianus</i>). W-1028	44394013	AGREVO USA CO	OWN	
850.2300	Buprofezin: A reproduction study with the Mallard (<i>Anas platyrhynchos</i>). W-1027	44394014	AGREVO USA CO	OWN	
850.3020	Buprofezin Code: Hoe 064503 00 ZD99 0001 Contact toxicity (LD 50) to honey bees (<i>Apis mellifera</i> L.). N-1010. Lab Project Number: CW 95/082: A55760:	44394040	AGREVO USA CO	OWN	
850.4100	Buprofezin; wettable powder 72.0 % (W:W); Code: AE F064503 -Investigation into the phytotoxic effects on seedling emergence/growth of terrestrial plants (Tier I) (USEPA-FIFRA 122-1). R-1078. Lab Project Number: 526BF: BUPROFEZIN/A57713: BF95T526.	44394036	AGREVO USA CO	OWN	
850.5400	Buprofezin; technical 99.0% w/w; Code: Hoe 064503 00 ZD99 0001 - Effect to <i>Pseudokirchneriella subcapitata</i> (green alga) in a growth inhibition test (U.S. EPA 122-2). N-1019. Lab Project Number: 528BF: A55806: O104E/H119.	44394038	AGREVO USA CO	OWN	
850.6100	Independent Laboratory Validation of an Analytical Method for the Determination of Residues in Water (A-1085)	49798602	NICHINO AMERICA, INC.	OWN	
850.6100	Buprofezin and BF-12 - Independent Laboratory Validation of an Analytical Method for the Determination of Residues in Soil (A-1084)	49798603	NICHINO AMERICA, INC.	OWN	
850 SUPP	Buprofezin-42-day toxicity test exposing freshwater amphipods (<i>Hyalella azteca</i>) to a test substance applied to sediment under static renewal conditions following EPA test methods (N-1093). 13657.6174	49711701	NICHINO AMERICA, INC.	OWN	
850 SUPP	Validation of Analytical Method for Buprofezin in River, Ground and Tap Water. Project Number: GE-04-05-0338, LSRC-A05-280A	49175901	NICHINO AMERICA, INC.	OWN	

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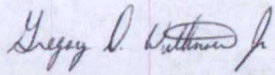
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Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850 SUPP	Effect of Pesticides on the Bumblebee <i>Bombus terrestris</i> L. in the Laboratory. INRA (98): 217-225.	47875304	U.S. Environmental Protection Agency	EPA	
850 SUPP	Buprofezin technical: effects on the in vitro development of larvae of <i>Apis mellifera</i> after single dose exposure. N-1086; D83435	49548101	NICHINO AMERICA, INC.	OWN	
850 SUPP	Buprofezin- life- cycle toxicity test exposing midges (<i>Chironomus dilutus</i>) to a test substance applied to sediment under static-renewal conditions following EPA test methods (N-1091). 13657.6172	49711703	NICHINO AMERICA, INC.	OWN	
850 SUPP	Buprofezin Technical – Effects on the Honeybee <i>Apis mellifera</i> after 10-day chronic dose exposure (N-1087). D89634	49799401	NICHINO AMERICA, INC.	OWN	
Series 860— Residue Chemistry Test Guidelines					
860.1300	Metabolism of [14C]-buprofezin in a lactating cow (513BF). Lab Project Number: 513BF	44576908	AGREVO USA CO	OWN	
860.1300	Metabolism of [14C]-buprofezin in a lactating cow (R-1068). 513BF: BUPROFEZIN/R35: 1386-1: R-35: R-1068: B000066	44326301	AGREVO USA CO	OWN	
860.1300	Metabolism of (14C)-buprofezin in cotton. Lab Project Number: 509BF: A55842: BUPROFEZIN/R49: R-1076	44394048	AGREVO USA CO	OWN	PP 0F6087
860.1300	Metabolism of [Phenyl-(U)-14C] Buprofezin in Lemon (R-1215). Project Number: GB/03/08/0151 LSRC/M09/011A. R-1215	48540804	NICHINO AMERICA, INC.	OWN	
860.1300	The disposition & metabolism of buprofezin in the tomato. Lab Project Number: 4522: 13586. R-1023	44435903	AGREVO USA CO	OWN	PP 0F6087
860.1300	Metabolism of (14C)-Buprofezin in lettuce. Lab Project Number: 510BF: A54508: BUPROFEZIN/R38: R-1067	44394049	AGREVO USA CO	OWN	PP 4F6887
860.1300	Metabolism of (14C)-Buprofezin in citrus. Lab Project Number: 508BF. R-1060	44576906	AGREVO USA CO	OWN	PP 4F6873
860.1300	Metabolism of buprofezin in citrus: Additional characterization of metabolites (Addendum). Lab Project Number: 549BF. R-1080	44576907	AGREVO USA CO	OWN	PP 4F6873
860.1300	Analysis of metabolites in tissues following administration of (14C)-Buprofezin to a lactating dairy cow (R-1082). Lab Project Number: 548BF. R-1082	44576909	AGREVO USA CO	OWN	
860.1300	Metabolism of (14C)-buprofezin in laying hens. Lab Project Number: 523BF. R-1081	44576910	AGREVO USA CO	OWN	
860.1300	Final report: Metabolism of [Phenyl-(U)-14C] Buprofezin applied to Paddy Rice at Ear Shooting Stage (R-1220)	49915804	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)

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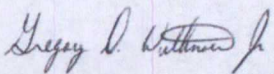
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Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1340	Method Validation and Confirmation of Analyte for Buprofezin in Almond Nutmeat, Citrus, Cottonseed, Grape, Banana and Tomato. Project Number: 1398W. A-1053	46689303	NICHINO AMERICA, INC.	OWN	PP 0F6087, 5E6981, 4F66873
860.1340	Development of analytical methods for buprofezin on greenhouse grown lettuce using 14C labeled buprofezin, USA 1994; Lab Project Number: BF94R021: A57771: BUPROFEZIN/R51.	44394050	AGREVO USA CO	OWN	PP 4F6887
860.1340	Method Validation and Confirmation of Analyte for Buprofezin in Almond Nutmeat, Citrus, Cottonseed, Grape, Banana and Tomato. A-1053	46813201	NICHINO AMERICA, INC.	OWN	PP 0F6087, 5E6981, 4F66873
860.1340	Validation of an analytical method for buprofezin residues on greenhouse grown citrus using 14C labeled buprofezin, USA, 1997: A-1036: R-65: Lab Project Number: BF-97R-04	44576912	AGREVO USA CO	OWN	PP 4F6873
860.1340	Buprofezin and its Metabolite BV-09 and BF-12 Independent Laboratory Validation of Methodology for the Determination of Residues of Buprofezin and its Metabolites BF-09 and BF-12 in Apples and Tomatoes: AUL 005: A-1051	47159103	NICHINO AMERICA, INC.	OWN	PP 0F6087, 3E6636
860.1340	Independent laboratory confirmation of AgrEvo residue method. No. BF/02/96 for determination of Buprofezin residues in vegetable crops; A-1031; 43347; BF-96R-06	44394052	AGREVO USA CO	OWN	PP 4F6887
860.1340	Independent laboratory confirmation of "An analytical method for the determination of residues of buprofezin at estimated tolerance levels in almonds, cottonseed, citrus (lemons), and grapes by gas chromatography using nitrogen phosphorus detection" according to PR Notice 96-1 guidelines. A-1034; 44227; BF97R005	44576911	AGREVO USA CO	OWN	PP 0F6087, 5E6981, 4F66873
860.1340	Independent laboratory confirmation of "The determination of residues of Buprofezin in beef tissues and milk via solid-phase extraction and gas chromatography with MS and nitrogen phosphorus detection" according to PR notice 96-1 guidelines; A57810; 44194; BF97R003	44576913	AGREVO USA CO	OWN	
860.1360	Multiresidue method testing for buprofezin according to PAM I, appendix II, as updated January 1994. Lab Project Number: BF-94R-19: 43108: A5581	44394051	AGREVO USA CO	OWN	
860.1380	Stability of buprofezin and its metabolites in processed tomato fractions during frozen storage, USA, 1994: R-59: R-1093	44576914	AGREVO USA CO	OWN	PP 0F6087
860.1380	Stability of buprofezin and its metabolites in lettuce during frozen storage, USA, 1994: R-58; R-1094	44576916	AGREVO USA CO	OWN	PP 4F6887

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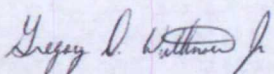
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DATA MATRIX

Date: September 26, 2017	EPA Reg No./File Symbol 71711-16
Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808	Product Buprofezin Technical
Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1380	Stability of Buprofezin and Its Pertinent Metabolites During Freezer Frozen Storage in Several Raw Agricultural and Processed Commodities. MLI-03-02; ML03-1072-NAI; R-1189	46804701	NICHINO AMERICA, INC.	OWN	
860.1380	Stability of buprofezin in cottonseed and cottonseed oil during Frozen Storage, USA, 1997 (Storage Interval of 1355 days for cottonseed and 1428 days for cottonseed refined oil); BF97R02/27935; BF97R02: A-1159	45694201	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1380	Stability of buprofezin and one of its metabolites in soil during frozen storage, USA, 1994. BF94R020; BF94R-20: R-56	44576915	AGREVO USA CO	OWN	
860.1480	Buprofezin-derived residues in the meat and milk of dairy cows resulting from oral ingestion of buprofezin, USA, 1996. R-48; R-1083	44576917	AGREVO USA CO	OWN	
860.1480	Stability of Buprofezin in Beef Tissues and Whole Milk During Frozen Storage, USA, 1997 (Storage Interval of 371 days). BF97R001; B993025; R-1111	45694202	NICHINO AMERICA, INC.	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Apple. BF/10/97; R-1116	46007203	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6636
860.1500	Buprofezin: Magnitude of the Residue on Avocado; 07740; R-1173	46034101	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP5E6979, 3E6747
860.1500	Buprofezin: Magnitude of the Residue on Plum (Amended): 07519; R-1170	46629801	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6979
860.1500	Buprofezin: Magnitude of the Residue on Olives; 09015: R-1186	47112002	NICHINO AMERICA, INC.	OWN	PP 7E7207
860.1500	Buprofezin: Magnitude of the Residue on Pear, Vol 2, Amendment ; 07518; R-1169	46007201	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Pear. Project Number: 07518/01/WUR01, 07518, 07518/01/CA64;	46210001	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Cucumber(IR-4 PR No. 06143)	48488201	NICHINO AMERICA, INC.	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Squash (Summer) (IR-4 PR No. 09278)	48488202	NICHINO AMERICA, INC.	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Cantaloupe (IR-4 PR No. 09226)	48488203	NICHINO AMERICA, INC.	OWN	
860.1500	Raw Agricultural Commodity (RAC) Residue Evaluation of Buprofezin Applied to Pecans (52004A003)	48540807	NICHINO AMERICA, INC.	OWN	

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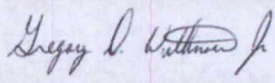
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Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808	Product Buprofezin Technical
Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue of Buprofezin and its Metabolites in Grape Raw Agricultural Commodities Following Applications of Applaud 70WP. R-1164; 09478; TCI-04-088	46629901	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6981
860.1500	Buprofezin: Magnitude of the Residue on Cherry. 07250; R-1166	46629802	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6979
860.1500	Buprofezin: Magnitude of the Residue on Papaya (Amended); 07024; R-1165	46629701	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6980, 3E6747
860.1500	At-harvestBuprofezin-Derived Residues in or on Valencia Oranges Following Sequential Applications of Applaud at Its Highest Rate and Shortest PHI, USA, 1998; BF98R001; R-1174	45694203	NICHINO AMERICA, INC.	OWN	
860.1500	Magnitude of the residue of buprofezin in oranges after two applications of Applaud, USA, 2000; 46808; R-1114	45694204	NICHINO AMERICA, INC.	OWN	
860.1500	To Determine the Magnitude of Buprofezin Residues at Intervals and at Harvest in the Raw Agricultural Commodity Outdoor Tomato and the Processed Fractions resulting from either two directed Applications of either Buprofezin 25 W or Buprofezin 25SC in S. France and Spain 2002; R-1126	47178401	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1500	Buprofezin and BF09 and BF 12 Metabolites: Residue Levels on tomato from trials in the US; SARS-03-15; R-1162	46567301	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1500	Buprofezin: Magnitude of the Residue on Tomato (Greenhouse); 07406; R-1167	45782401	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1500	Buoprofezin: Magnitude of Residues in Lychee-IR-4; 07739; R-1172	45538801	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
860.1500	Buprofezin: Magnitude of Residue on Peach; 07517; R-1168	46026101	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6741
860.1500	Buprofezin and BF09 & BF12 Metabolites: Residue Levels on Almond Hulls from a Trial Conducted in the United States During 2003; SARS-03-13; R-1161	46274501	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1500	Buprofezin and BF09 & BF12 Metabolites: Residue Levels on Banana from a Trial Conducted in the United States During 2003; SARS-03-14; R-1160	46274502	NICHINO AMERICA, INC.	OWN	
860.1500	IR-4 Submission of Snap Beans	45679900	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
860.1500	Buprofezin: Magnitude of Residues in Snap Beans; 07660; R-1171	45679901	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
860.1500	Buprofezin: Magnitude of Residue on Coffee; 08828; R-1219	47466401	NICHINO AMERICA, INC.	OWN	PP 8F7343

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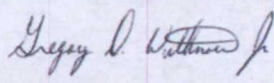
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Applicant's/Registrant's Name & Address:
 Nichino America, Inc.
 4550 Linden Hill Rd., Suite 501
 Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Buprofezin: Magnitude of the Residue on Strawberry; 08737; R-1185	47112001	NICHINO AMERICA, INC.	OWN	PP 7E7207
860.1500	Buprofezin and BF09 & BF12 Metabolites: Residue Levels on Spinach from Trials Conducted in the United States During 2004 ; SARS-04-10; R-1188	47112003	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
860.1500	Buprofezin and BF09 & BF12 Metabolites: Residue Levels on Celery from Trials Conducted in the United States From 2004; SARS-04-09; R-1187	47112004	NICHINO AMERICA, INC.	OWN	
860.1500	Buprofezin: Magnitude of the Residue on Tomato (IR-4 Study 08964); R-1211	47204701	NICHINO AMERICA, INC.	OWN	PP 0F6087
860.1500	Buprofezin: Magnitude of the Residue on Peppers (Bell & Non-Bell) (IR-4 Study 08848); R-1212	47204702	NICHINO AMERICA, INC.	OWN	
860.1500	At-harvest buprofezin-derived residues in or on melons (Cantaloupe) and summer squash following sequential applications of APPLAUD at its highest recommended rates and shortest pre-harvest interval, USA. Lab Project Number: BF-94R-17: A54514: BUPROFEZIN/R37; R-1070	44394053	AGREVO USA CO	OWN	
860.1500	At-harvest Buprofezin-derived residues in or on leaf lettuce following sequential applications of APPLAUD at its highest recommended rate and shortest pre-harvest interval, USA, 1995. Lab Project Number: BF-95R-08: A55824: BUPROFEZIN/R42; R1075	44394054	AGREVO USA CO	OWN	PP 4F6887
860.1500	At-harvest Buprofezin-derived residues in or on cucumbers following sequential applications of APPLAUD at its highest recommended rates and shortest pre-harvest interval, USA, 1994. Lab Project Number: BF-94R-03: A55841: BUPROFEZIN/R44; R-1073	44394056	AGREVO USA CO	OWN	
860.1500	Summary Report of Magnitude of the Residue Research of Buprofezin on Tea; 10646	48580302	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
860.1500	Determination of Residues of Buprofezin in the Grain and Straw of Rice Treated with 50% Wettable Powder of Buprofezin (R-1236)	49915805	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
860.1500	Determination of Residues of Buprofezin in the Grain of Rice Treated with 25.0% of Wettable Powder of Buprofezin (R-1299)	49915806	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
860.1500	Determination of Residues of Buprofezin in the Grain of Rice Treated with 20.0% Flowable or 25.0% Wettable Powder of Buprofezin (R-1330)	49915807	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
860.1500	Determination of Residues of Buprofezin in the Grain of Rice Sequentially Treated with Ground Application of 25.0% Wettable Powder and Aerial Application of 40.0% Sol of Buprofezin (R-1340)	49915808	NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)

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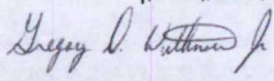
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Date: September 26, 2017		EPA Reg No./File Symbol	71711-16		
Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808		Product	Buprofezin Technical		
Ingredient: BUPROFEZIN					

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500, 860.1520	Buprofezin: Residues Levels on Apples and Apple Processed Commodities, Juice and Web Pomace from Trials Conducted in the United States During 2001. R-1113; SARS-01-014; 990098	46007202	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6636
860.1520	Buprofezin: Request for Waiver from Rice Processing Study (S-1035)	50033101	NICHINO AMERICA, INC.	OWN	
860.1520	Buprofezin; Hydrolysis under simulated processing conditions (E-1032); NHH 0117/062909	50217001	NICHINO AMERICA, INC.	OWN	
860.1520	Residue study (processing) with buprofezin 250 g/kg WP applied to indoor tomatoes in Spain in 2008 (R-1197); NHH0143	50217002	NICHINO AMERICA, INC.	OWN	
860.1520	Generation of wine and table grape samples, suitable for residue analysis following application of buprofezin 25% WP and 40% SC and for processed commodity of wine grape (R-1182)	50217003	NICHINO AMERICA, INC.	OWN	
860.1520	Buprofezin: residue levels in mandarin and orange, including processed fraction from trials carried out in Spain during 2000 and 2001 (R-1124)	50217004	NICHINO AMERICA, INC.	OWN	
860.1520	Storage stability in frozen condition (-18°C) of aniline in processed apple sample (apple jelly, canned apple, dried apples, apple puree) (PC-1154); RAU-012-13	50217006	NICHINO AMERICA, INC.	OWN	
860.1520	Storage stability in frozen condition (-18°C) of aniline in processed grapes sample (raisins, wine and grape juice (PC-1151); RAU-015-13	50217007	NICHINO AMERICA, INC.	OWN	
860.1520	Storage stability in frozen condition (-18°C) of aniline in processed olives sample (canned olives, olive oil and olive pomace) (PC-1150); RAU-016-13	50217008	NICHINO AMERICA, INC.	OWN	
860.1520	Determination of aniline and buprofezin in raw agricultural commodity protected tomato and aniline in processed agricultural commodity protected tomato (tomato juice, ketchup, puree, canned and paste) following three applications of Applaud 25SC (buprofezin 250 g/l SC) (two trials, Italy 2013); BIU-018-13; (R-1461)	50217009	NICHINO AMERICA, INC.	OWN	
860.1520	Determination of aniline and buprofezin in raw agricultural commodity oranges and aniline in processed oranges (orange juice and orange marmalade) following one application of Applaud 25SC (buprofezin 250 g/L SC) (R-1462); RAU-003-14	50217010	NICHINO AMERICA, INC.	OWN	
860.1520	Development and validation of methodology for the determination of residues of buprofezin and its potential metabolites in tomato fruit, puree and ketchup (revalidation) (A-1068); GE-04, 08-0148	50217011	NICHINO AMERICA, INC.	OWN	

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Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Development and validation of methodology for the determination of residues of aniline in lettuce (A-1069); GE-04, 08-0149; LSRC-A08-155A	50217012	NICHINO AMERICA, INC.	OWN	
860.1520	Development and validation of methodology for the determination of residues of aniline in orange (A-1070); LSRC-A08-156A; GE-04, 08-0150	50217013	NICHINO AMERICA, INC.	OWN	
860.1520	Determination of buprofezin and its metabolites BF-9 and BF-12 residues in raw and processed agricultural commodity grapes (bunch, white wine, red wine, raisin and grape juice) following two applications of Applaud 25SC (buprofezin 250 g/L SC) - four trials, Italy (southern Europe) 2011 - (R-1444)	50222301	NICHINO AMERICA, INC.	OWN	
860.1520	Determination of buprofezin and its metabolites BF-9 and BF-12 residues in raw and processed agricultural commodity apple (apple, dried apple, canned apple, apple jelly, puree baby, apple puree) following two applications of Applaud 25SC (buprofezin 250 g/L SC) - four trials, Italy 2011 - (R-1445); CREG2185	50222302	NICHINO AMERICA, INC.	OWN	
860.1520	Determination of buprofezin and its metabolites BF-9 and BF-12 residues in raw and processed agricultural commodity olive (olives, olive oil and canned olives) following two applications of Applaud 25SC (buprofezin 250 g/L SC) -four trials, Italy 2011 - (R-1446); CREG2186	50222303	NICHINO AMERICA, INC.	OWN	
860.SUPP	To determine the magnitude of buprofezin residues at intervals and harvest in the raw agricultural commodity grapes and the processed fractions resulting from a single directed application of Buprofezin 25 WP, in Northern France and Germany, in 2002	50217005	NICHINO AMERICA, INC.	OWN	
Series 870— Health Effects Test Guidelines					
870.1100	Acute Oral Toxicity Study of Buprofezin Metabolite, BF-26 in Rats. T-1149	46610701	NICHINO AMERICA, INC.	OWN	
870.1100	Acute Oral Toxicity Study of Buprofezin Metabolite, BF-4 in Rats. T-1150	46610702	NICHINO AMERICA, INC.	OWN	
870.1200	Buprofezin technical-Acute Dermal Toxicity in rats, Limit test. 14844	46213301	NICHINO AMERICA, INC.	OWN	
870.1300	Buprofezin Supplement 1: Response to the EPA review (Tracking #D197456) (December 8, 1994) of acute inhalation toxicity of buprofezin in rats, MRID No. 42873808. T-4 Suppl 1; NNI-BUPROF-EUP-12; B000193	44394023	AGREVO USA CO	OWN	
870.1300	Acute inhalation toxicity of buprofezin in rats. T-4; T-1016	42873808	AGREVO USA CO	OWN	71711-16 PP 7F4923
870.2400	Addendum 1 to Eye Irritation Study in Rabbits (Buprofezin Tech Grade)(MRID No. 44393201). T-5 . Project No. 6570-86 Addendum 1	46018702	NICHINO AMERICA, INC.	OWN	
870.2400	Buprofezin, technical grade: Eye irritation study in rabbits. T-5; T-1044	44393201	AGREVO USA CO	OWN	

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 Nichino America, Inc.
 4550 Linden Hill Rd., Suite 501
 Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Buprofezin technical-Primary Eye Irritation Study, rabbit. 14845; T-1263	46213302	NICHINO AMERICA, INC.	OWN	
870.2500	Buprofezin, technical grade: primary dermal irritation study in rabbits. T-6. T-1043	44393202	AGREVO USA CO	OWN	
870.2500	Addendum 1 to : Primary dermal irritation study in rabbits (Buprofezin Technical Grade) (MRID No. 44393202). T-6. Project Number: 6569/86	46018703	NICHINO AMERICA, INC.	OWN	
870.2500	Buprofezin technical-Primary Skin Irritation Study in rabbits. 14846. T-1262	46213303	NICHINO AMERICA, INC.	OWN	
870.2600	Addendum 1 to: Skin sensitization study with buprofezin (technical grade); Project Number: 6571/86	46018704	NICHINO AMERICA, INC.	OWN	
870.2600	Skin sensitization study with buprofezin, technical grade. T-7. T-1045	44393203	AGREVO USA CO	OWN	
870.2600	Buprofezin technical-Dermal Sensitization Study, guinea pig (Buehler Method). 14847. T-1264	46213304	NICHINO AMERICA, INC.	OWN	
870.3050	Buprofezin metabolite BF-26: Repeated dose 28-day oral toxicity study in rats (T-1213). LSRC-T08-118A; GA-05, 08-0080	49175903	NICHINO AMERICA, INC.	OWN	
870.3100	A 90-day oral toxicity of buprofezin in rats. T-15; T-1042	42935201	AGREVO USA CO	OWN	
870.3150	Buprofezin: Toxicity study by oral administration to beagle dogs for 13 weeks. T-16. T-1037	42873809	AGREVO USA CO	OWN	
870.3200	Buprofezin: toxicity study by dermal application to CD rats for 24 days followed by a 2-week reversibility period. T-75. T-1085	44394024	AGREVO USA CO	OWN	
870.3700	Buprofezin: Peri- and Post-Natal Development Study in the Rat by the Dietary Route. 93/NHH056/0356; T-1069	48611404	NICHINO AMERICA, INC.	OWN	
870.3700	Buprofezin: Teratology study in the rat. T-35. T-1053	42873813	AGREVO USA CO	OWN	
870.3700	Buprofezin: Teratology study in the rabbit. T-21. T-1136	42873812	AGREVO USA CO	OWN	
870.3800	Two-Generation Reproduction Study in Rats with Buprofezin. T-1108	48611405	NICHINO AMERICA, INC.	OWN	
870.3800	Supplement 1: Response to the USEPA review of 2-generation reproduction and tetragenicity studies in rats with buprofezin (MRID # 42873814). T-20 suppl 1. B000192; NNI-BUPROF-EUP-20	44394027	AGREVO USA CO	OWN	
870.3800	2-generation reproduction and teratogenicity studies in rats with buprofezin. T-20. T-1011	42873814	AGREVO USA CO	OWN	
870.4100	Buprofezin T18: Supplement 1: Response to the EPA review (Tracking #D197456) dated June 5, 1995, of IET 7907 (buprofezin): Toxicity in oral administration to beagle dogs for 107 weeks: MRID No. 42873810. T-18 suppl 1; B000190; NNI-BUPROF-EUP-17	44394026	AGREVO USA CO	OWN	

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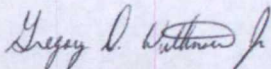
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DATA MATRIX

Date: September 26, 2017	EPA Reg No./File Symbol 71711-16
Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808	Product Buprofezin Technical
Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4100	IET 7907: Toxicity in oral administration to beagle dogs for 107 weeks (final report). T-18; T-1010	42873810	AGREVO USA CO	OWN	
870.4100, 830.4200	24 months oral chronic toxicity and oncogenicity dietary study on ST-29285 (Buprofezin) in rats. T-17; A56317; NNI-BUPROF-EUP-16	42935202	AGREVO USA CO	OWN	
870.4100, 870.4200	Letter to Keigwin from L. Czochor re: ulcer induction in rats, dated May 31, 1995.	43675401	AGREVO USA CO	OWN	
870.4100, 870.4200	NNI-750: 24-month oral chronic toxicity and oncogenicity dietary study in mice. T-19. T-1019	42873811	AGREVO USA CO	OWN	
870.4300	Buprofezin T17: Supplement 1: Response to the EPA review (Tracking #D197456) dated June 7, 1995 of 24 months oral chronic toxicity and oncogenicity dietary study on ST-29285 (buprofezin) in rats (MRID No. 42935202). B000191; Lab Project Number: NNI-BUPROF-EUP-17; NNI-BPFZ-83.5-SUPP: NNI/BUPROFEZIN/95.01	44394025	AGREVO USA CO	OWN	
870.5000	Buprofezin: Assessment of mutagenic potential using L5178Y mouse lymphoma cell assay. T-37. T-1055	42873816	AGREVO USA CO	OWN	
870.5100	Buprofezin - an evaluation in the salmonella mutagenicity assay. T-36; B000101; NNI-BUPROF-EUP-21	42873815	AGREVO USA CO	OWN	
870.5100	Bacterial Reverse Mutation Test of Buprofezin metabolite BF-26 (T-1147)	49175902	NICHINO AMERICA, INC.	OWN	
870.5300	Buprofezin: an evaluation in the in vitro cytogenetic assay in human lymphocytes. T-40; T-1056	42873818	AGREVO USA CO	OWN	
870.5385	Buprofezin: micronucleus test. T-23; T-1018	42873817	AGREVO USA CO	OWN	
870.5385	Buprofezin: Micronucleus test in the bone marrow of mice. T1157. LSRC/06/052A	46948402	NICHINO AMERICA, INC.	OWN	
870.5395	Genotoxicity Evaluation of Buprofezin, Petroleum Oil and Profenofos in Somatic and Germ Cells of Male Mice. General 84-4	46948401	NICHINO AMERICA, INC.	OWN	
870.5550	Buprofezin: Assessment for the induction of unscheduled DNA synthesis in primary rat hepatocyte cultures. T-38; T-1057	42873819	AGREVO USA CO	OWN	
870.6200	Buprofezin Technical Neurotoxicity Study by Dietary Administration to CD Rats for 13 Weeks. T-1151. NHH-115	48083902	NICHINO AMERICA, INC.	OWN	
870.6200	Waiver Request for Acute Neurotoxicity Study for Buprofezin. Project Number: BU/TOX/01	48083901	NICHINO AMERICA, INC.	OWN	

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Ingredient: BUPROFEZIN					

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6200	Further validation of Neurotoxicity Procedures Following Oral Gavage Administration of D-Amphetamine or Di-Isopropyl Fluorophosphate to CD Rats. HLS0384/062633	48083903	NICHINO AMERICA, INC.	OWN	
870.6300	Buprofezin: Lack of Neuro-Developmental Toxicity Potential In Relation To Thyroid Stimulation. NNI-BUPF-NT-02; S-1034	45819101	NICHINO AMERICA, INC.	OWN	
870.6300	Additional Information for Buprofezin - DNT Study NNI-BUPF-NT-02	45819101	NICHINO AMERICA, INC.	OWN	
870.7485	Buprofezin: absorption, distribution, metabolism and elimination in the rat. M-3, M-4 NNI-BUPROF-EUP-26; B000030	42873820	AGREVO USA CO	OWN	
870.7485	Buprofezin rat metabolism: Response to EPA review of MRID No. 42873820	44394028	AGREVO USA CO	OWN	
870.7485	Metabolism of (carbon-14)-buprofezin in the rat after oral dosing at 100 mg/kg. T-86; A57754; T-1107	44394029	AGREVO USA CO	OWN	
870.7485	The metabolism of (carbon-14)-buprofezin in the rat. T-84; T-1066	44494601	AGREVO USA CO	OWN	
870.7800	Buprofezin: 4 Week Dietary Immunotoxicity Study in the Sprague Dawley Rat Lab Project ID LMS0019 (T-1248)	48440101	NICHINO AMERICA, INC.	OWN	
870 SUPP	Developmental Thyroid Study for Buprofezin: Response of Nihon Nohyaku Co., Ltd. To May 16, 2011 Protocol Review by EPA. 20110922/BUPR/TOX/DEV/THYR/REBUTTAL	48611401	NICHINO AMERICA, INC.	OWN	
870 SUPP	Effects of 14-Day Oral Gavage Administration of Buprofezin (technical grade) on Hepatic Drug-Metabolizing Enzyme Activity and Serum Thyroid-Stimulating Hormone Concentration in Rats. T-6; T-1227; DA-11, 08-0153; LSRC-T09-056A	48611402	NICHINO AMERICA, INC.	OWN	
870 SUPP	Buprofezin: Milk transfer and effect on the thyroid of suckling pups in rats by dietary administration to dams. LSRC/T11/081A, DB/01/10/0113	48611403	NICHINO AMERICA, INC.	OWN	
870 SUPP	Effects of 14-Day Oral Gavage Administration of Buprofezin (technical grade) on Hepatic Drug-Metabolizing Enzyme Activity and Serum Thyroid-Stimulating Hormone Concentration in Rats, Amendment 1 and Amendment 2. T-1227; LSRC-T09-056A; DA-11, 08-0153	48635901	NICHINO AMERICA, INC.	OWN	
870 SUPP	Buprofezin: Summaries of Acute Toxicity Studies in Rats, Genotoxicity in humans, mice and rats, reproductive and developmental toxicity in rats, subchronic toxicity in rats and beagle dogs, chronic toxicity and oncogenicity in dogs, rats and mice, and rat metabolism study - Correspondence to CCQC Jan 27 1997.	42873801	AGREVO USA CO	OWN	
870 SUPP	Buprofezin: Preliminary dose finding study of developmental thyroid study in rats (T-1261). LSRC-T12-112A	48957201	NICHINO AMERICA, INC.	OWN	

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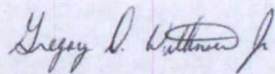
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Ingredient: BUPROFEZIN					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870 SUPP	Effects of 14-Day Oral Gavage Administration of Buprofezin (technical grade) on Hepatic Drug-Metabolizing Enzyme Activity and Serum Thyroid-Stimulating Hormone Concentration in Rats	48635902	NICHINO AMERICA, INC.	OWN	
870 SUPP	A 28-Day Inhalation Toxicity Study of Buprofezin in Sprague Dawley Rats. T-1306; WIL-36508	49614701	NICHINO AMERICA, INC.	OWN	
870 SUPP	Buprofezin: developmental thyroid toxicity study in rats-Proposed study outline (BUP-TOX-01)	48375201	NICHINO AMERICA, INC.	OWN	
870 SUPP	Buprofezin: Developmental thyroid toxicity study in rats. T-1307. LSRC-T14-209A; GA-11, 13-0158	49615301	NICHINO AMERICA, INC.	OWN	
Non-Guideline tests					
Non-Guideline	Assessment of applicator exposure to buprofezin used in groundboom sprayers. A57790; 41196-96019/BUP	44435905	AGREVO USA CO	OWN	
Non-Guideline	Assessment of applicator exposure to buprofezin used in airblast sprayers. A57785, 41196-96025/BUP	44394057	AGREVO USA CO	OWN	
Non-Guideline	Assessment of aerial applicator and flagger exposure to buprofezin used in fixed-wing aircraft. A57786; 41196-96026/BUP	44394058	AGREVO USA CO	OWN	
Non-Guideline	Publicly Releasable Summaries. FQPA Supplemental Information Document on Buprofezin. BZ-GEN-09	44576902	AGREVO USA CO	OWN	
Non-Guideline	Acute and Chronic Exposure and Risk Assessment: Buprofezin BZ-GEN-14	46813202	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Acute and Chronic Exposure and Risk Assessment in Celery, Olive, Spinach, and Strawberry: Buprofezin BZ-GEN-16	47112006	NICHINO AMERICA, INC.	OWN	PP 7E7207
Non-Guideline	Buprofezin Acute and Chronic Exposure and Risk Assessment: Brassica in Crop Group 5A, Coffee, and Pomegranates in Crop Group 12 Buprofezin BZ-GEN-19 (4)	47389002	NICHINO AMERICA, INC.	OWN	PP 3E7386
Non-Guideline	Acute and Chronic Exposure and Risk Assessment in fruiting vegetables in Group 8: Buprofezin BZ-GEN-18	47204703	NICHINO AMERICA, INC.	OWN	PP 7E7253
Non-Guideline	Buprofezin Sales and Projected Market Share Compiled by Nichino America, Inc. with New Uses of Leafy Vegetables, Olives, and Strawberries BZ-GEN-17	47112005	NICHINO AMERICA, INC.	OWN	PP 7E7207
Non-Guideline	Amended Report: Summary and Overview of Data Supporting Registration of Buprofezin Technical and End-Use Products containing Buprofezin as the Active Ingredient. S1-VERSION 1	45151701	BAYER ENVIRONMENTAL SCIENCE	OWN	

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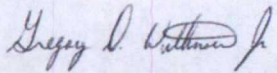
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Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Non-Guideline	Buprofezin: Summary and Overview of Data Supporting Registration of Technical and End-Use Products Containing Buprofezin as the Active Ingredient: Lab Project Number: Lab Project Number: S1 version 1; B000068; BZ-GEN-05	42873801	AGREVO USA CO	OWN	
Non-Guideline	Reduced Risk Rationale for Applaud BZ-GEN-01	44576901	AGREVO USA CO	OWN	
Non-Guideline	Analytical Report: Determination of Buprofezin Analyte BF-4 in Various Commodities (Ag-Chem 7252009) (S-1033)	48540801	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Development and Validation of Analytical Method for Buprofezin and Its Metabolites in Orange (A-1059). GE-04, 07-0128; LSRC-A07-159A	48540802	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Model Hydrolysis Study of Buprofezin and Its Metabolite, BF-4 in/on Various Crop Matrices (R-1213). GE-06, 08-0141	48540806	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Derek Evaluation of the Toxicity of: Buprofezin (BF1) and Six Metabolites (BF4, BF9, BF11, BF12, BF26 and BF25) (T-1214)	49175904	NICHINO AMERICA, INC.	OWN	
Non-Guideline	A study for the possible effect of pentobarbital anesthesia on the concentration of thyroid related-hormones in the serum in rats. T-1308. LSRC-T15-042A; DA-49, 13-0116	49615302	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Developmental thyroid toxicity study for PTU in rats: Background positive control study (T-1319). LSRC-T13-013A; RA-49, 10-0089	49738501	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Crop Grouping Petition - Stalk, Stem and Leafy Petiole Vegetable, Technical Amendment. PR-10790	48499801	NICHINO AMERICA, INC.	OWN	
Non-Guideline	Crop Grouping Petition - Leafy Vegetables Technical Amendment (Addition) to 40 CFR 180.41 (c) and 180.1 (g). A-27200	48481701	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
Non-Guideline	Acute and Chronic Exposure and Risk Assessment: Buprofezin. Project Number: BGZ/GEN/13, BUPROFEZIN/07/05.	46628501	INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
Non-Guideline	Proposal to ChemSAC for Consideration of Buprofezin Residue Data from Japan	49824101	NICHINO AMERICA, INC.	OWN	

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Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			AGREVO USA CO	OWN	45639-EUP-51
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	PP 7F4923
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	

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			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	71711-15
			NICHINO AMERICA, INC.	OWN	
			BAYER ENVIRONMENTAL SCIENCE	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	45639-EUP-51
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			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	

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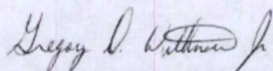
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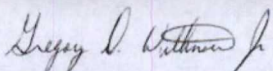
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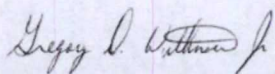
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			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	PP 0F6087
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	PP 0F6087
			AGREVO USA CO	OWN	PP 4F6887
			AGREVO USA CO	OWN	PP 4F6873
			AGREVO USA CO	OWN	PP 4F6873
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)

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Applicant's/Registrant's Name & Address:

Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NICHINO AMERICA, INC.	OWN	PP 0F6087, 5E6981, 4F66873
			AGREVO USA CO	OWN	PP 4F6887
			NICHINO AMERICA, INC.	OWN	PP 0F6087, 5E6981, 4F66873
			AGREVO USA CO	OWN	PP 4F6873
			NICHINO AMERICA, INC.	OWN	PP 0F6087, 3E6636
			AGREVO USA CO	OWN	PP 4F6887
			AGREVO USA CO	OWN	PP 0F6087, 5E6981, 4F66873
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	PP 0F6087
			AGREVO USA CO	OWN	PP 4F6887

Signature:

Name/Title: Gregory D. Wuthnow, Jr., Manager, Regulatory Affairs

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United States Environmental Protection Agency
401 M. Street, S.W.
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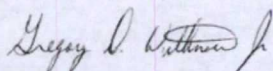
Applicant's/Registrant's Name & Address:
Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6636
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP5E6979, 3E6747
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6979
			NICHINO AMERICA, INC.	OWN	PP 7E7207
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	

Signature:



Name/Title: Gregory D. Wuthnow, Jr., Manager, Regulatory Affairs

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Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6981
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6979
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP: 5E6980, 3E6747
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6741
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			NICHINO AMERICA, INC.	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 2E6369
			NICHINO AMERICA, INC.	OWN	PP 8F7343

Signature:

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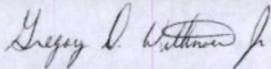
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Date: September 26, 2017	EPA Reg No./File Symbol: 71711-16
Applicant's/Registrant's Name & Address: Nichino America, Inc. 4550 Linden Hill Rd., Suite 501 Wilmington, DE 19808	Product: Buprofezin Technical
Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NICHINO AMERICA, INC.	OWN	PP 7E7207
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	PP 0F6087
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	PP 4F6887
			AGREVO USA CO	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)
			NICHINO AMERICA, INC.	OWN	PP 6F8494 (IT Rice)

Signature: 
 Name/Title: Gregory D. Wuthnow, Jr., Manager, Regulatory Affairs

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Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	PP 3E6636
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	

Signature:

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Nichino America, Inc.
4550 Linden Hill Rd., Suite 501
Wilmington, DE 19808

Product Buprofezin Technical

Ingredient: BUPROFEZIN

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	71711-16 PP 7F4923
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	

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			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	

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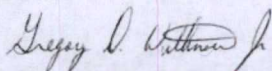
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			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	

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			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	

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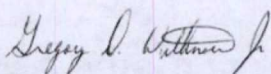
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Ingredient: BUPROFEZIN	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	PP 7E7207
			NICHINO AMERICA, INC.	OWN	PP 3E7386
			NICHINO AMERICA, INC.	OWN	PP 7E7253
			NICHINO AMERICA, INC.	OWN	PP 7E7207
			BAYER ENVIRONMENTAL SCIENCE	OWN	

Signature: 
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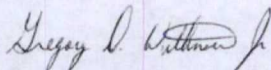
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			AGREVO USA CO	OWN	
			AGREVO USA CO	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			NICHINO AMERICA, INC.	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			INTERREGIONAL RESEARCH PROJECT NO. 4	OWN	
			NICHINO AMERICA, INC.	OWN	

Signature:



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